

(19) World Intellectual Property Organization
International Bureau



547999

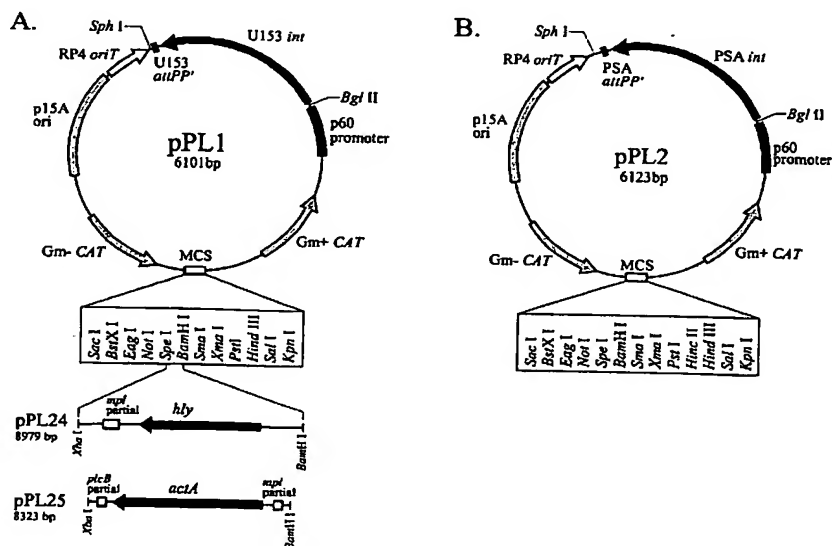
(43) International Publication Date
13 November 2003 (13.11.2003)

PCT

(10) International Publication Number
WO 03/092600 A2

- (51) International Patent Classification⁷: A61K
- (21) International Application Number: PCT/US03/13492
- (22) International Filing Date: 29 April 2003 (29.04.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
10/136,860 30 April 2002 (30.04.2002) US
- (71) Applicant (for all designated States except US): THE REGENTS OF THE UNIVERSITY OF CALIFORNIA [US/US]; 1111 Franklin Street, 12th Floor, Oakland, CA 94607-5200 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): PORTNOY, Daniel A. [US/US]; 1196 Curtis Street, Albany, CA 94706 (US). CALENDAR, Richard [US/US]; 940 Euclid Avenue, Berkeley, CA 94708 (US). LAUER, Peter M. [US/US]; 5719 Oak Grove Avenue, Oakland, CA 94618 (US).
- (74) Agent: FIELD, Bret E.; Bozicevic, Field & Francis, 200 Middlefield Road, Suite 200, Menlo Park, CA 94025 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SITE SPECIFIC LISTERIA INTEGRATION VECTORS AND METHODS FOR USING THE SAME



(57) Abstract: Site-specific Listeria integration vectors and methods for their use are provided. The subject vectors include a bacteriophage integrase gene and a bacteriophage attachment site, where in many embodiments the bacteriophage that is the source of these elements is a listeriophage. In certain embodiments, the subject vectors further include a multiple cloning site, where the multiple cloning site may further include a polypeptide coding sequence, e.g., for a heterologous antigen. The subject vectors and methods find use in a variety of different applications, including the study of Listeria species and the preparation of Listeria vaccines.

WO 03/092600 A2